ILLINOIS HIGHWAY INFORMATION SYSTEM
ROADWAY INFORMATION AND PROCEDURE MANUAL

ITEM NAME	**SHOULDER OUTSIDE WIDTH 1**	ITEM NO. **21A**
		PAGE 1 of 2

ENTERED BY	STATE	NON-STATE	HPMS	MUNI	EFFECTIVE DATE
District Program Development	**YES**	**YES**	**YES**	**OPT**	

UPDATE REPORTS	UPDATE SCREENS	INQUIRY SCREENS
(14) Physical Characteristics	**(14) Phys Char - Surf & Shld**	**(64) Phys Char - Surf & Shld**

DESCRIPTION AND PURPOSE OF ITEM

This item indicates the average width of:

1) the outside shoulder when identifying only the predominant type, or

2) optionally, when identifying composite shoulder types, the outside shoulder type immediately adjacent to the driving surface.

Shoulder Outside Width 1 is measured from the edge of pavement to the point where there is a change from shoulder slope to foreslope or, if using Method 2 above, a change in the shoulder surface type. Using either method, Shoulder Outside Widths 1 and 2, added together, must equal one half the sum of the full outside shoulder widths from both the left and right sides of the highway.

This information is used to determine highway cross sections for safety analysis and other special studies.

This item can be obtained from construction plans, or, if plans are unavailable, field measurement. If in question, contact the district Bureau of Program Development.

CODE AND SCREEN ENTRY INSTRUCTIONS

A 2-digit number, right-justified.

Enter the width filling leading space with zero. If the Shoulder Outside Width 1 is not uniform, record the average width.

Round dimension measurements down to the nearest foot.

If Shoulder Outside Type 1 (Item 22A) is curb and gutter or V-gutter, enter "00".
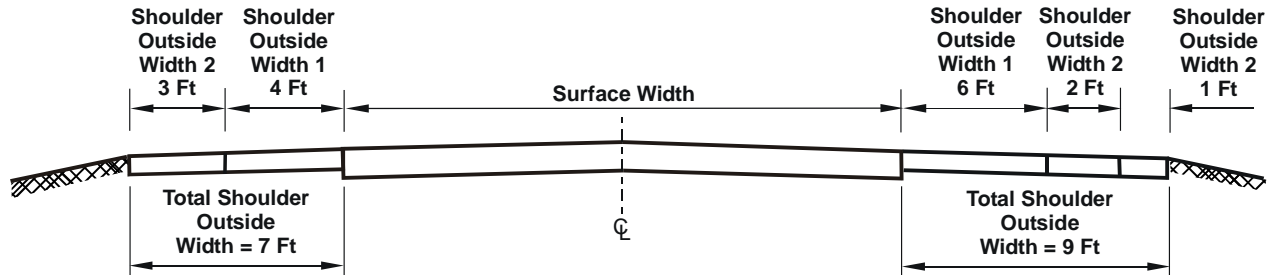
Shoulder Outside Width 2 — 3 Ft
Shoulder Outside Width 1 — 4 Ft
Surface Width
Shoulder Outside Width 1 — 6 Ft
Shoulder Outside Width 2 — 2 Ft
Shoulder Outside Width 2 — 1 Ft

Total Shoulder Outside Width = 7 Ft
Total Shoulder Outside Width = 9 Ft

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Method 1:

    7 ft + 9 ft = 16 ft   16/2 = 8.0 ft   Shoulder Outside Width 1 = 08 ft
                                                          * Shoulder Outside Width 2 = 00 ft

Method 2:

    4 ft + 6 ft = 10 ft   10/2 = 5.0 ft   Shoulder Outside Width 1 = 05 ft
    3 ft + 2 ft + 1 ft = 6 ft   6/2 = 3.0 ft   Shoulder Outside Width 2 = 03 ft

*When using Method 1, Outside Shoulder Width 2 (Item 21B) must be 00.